

Title (en)

Lighting or signalling device for an automobile

Title (de)

Beleuchtungs- oder Signalvorrichtung für Kraftfahrzeuge

Title (fr)

Dispositif d'éclairage ou de signalisation pour véhicule automobile

Publication

EP 1739468 B1 20101020 (FR)

Application

EP 06291037 A 20060623

Priority

FR 0506739 A 20050630

Abstract (en)

[origin: EP1739468A1] The tip has a cavity (4) inside which a small size light source (1) e.g. light emitting diode, is placed partially. The cavity has a wall (8) crossed by light rays, and a ceiling surface (8b). A light rays receiving surface (7) totally reflects the light rays inside an optical guide (2). The surfaces (7, 8b) of the cavity have a corrugated profile permitting reflection and/or refraction of light rays with a high divergence angle in a manner so that the light rays spread inside the optical guide. Independent claims are also included for the following: (1) an optical guide for lighting or signaling a device for a vehicle comprising a tip (2) a lighting and a signaling device for a motor vehicle comprising an optical guide.

IPC 8 full level

F21S 8/10 (2006.01); **F21V 7/00** (2006.01); **G02B 6/00** (2006.01); **G02B 6/26** (2006.01); **F21S 8/12** (2006.01); **F21Y 101/02** (2006.01)

CPC (source: EP US)

F21S 43/14 (2018.01 - EP); **F21S 43/237** (2018.01 - EP); **F21S 43/245** (2018.01 - EP); **F21S 43/247** (2018.01 - EP); **F21S 43/315** (2018.01 - EP); **F21V 7/0091** (2013.01 - EP); **G02B 6/0006** (2013.01 - EP); **G02B 6/262** (2013.01 - EP US); **F21S 41/24** (2018.01 - EP); **F21Y 2115/10** (2016.08 - EP US)

Citation (examination)

- US 2004257790 A1 20041223 - TANAKA YOSHIHARU [JP], et al
- US 2003156417 A1 20030821 - GASQUET JEAN-CLAUDE [FR], et al
- WO 9909349 A1 19990225 - DECOMA INT INC [CA], et al
- US 5704709 A 19980106 - ZWICK HUBERT [DE], et al

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